

Application No.: 10/602,424

Case No.: 51720US020

Amendments to the Claims

The following listing of claims will replace all prior listings of claims in the application.

1. (currently amended) A screen-printable adhesive composition capable of being applied to a substrate at room temperature comprising the following components:
 - (a) 25 to 100 parts by weight of at least one alkyl acrylate monomer;
 - (b) 0 to 75 parts by weight of at least one reinforcing comonomer; and
 - (c) an effective amount of a core-shell polymer or a semi-crystalline polymer to provide a screen-printable composition;
wherein said composition and components are substantially solvent free, and
substantially free of polyepoxide resin.
2. (original) The screen-printable adhesive composition of claim 1 wherein said composition has a yield point of greater than 3 Pascals and a viscosity of less than 6000 centipoise at 25°C.
3. (original) The screen-printable adhesive composition of claim 1 wherein said core-shell polymer is present in an amount of from 5 to 25 percent by weight of the screen-printable composition.
4. (original) The screen-printable adhesive composition of claim 3 wherein the core-shell polymer is a methacrylate/butadiene/styrene core-shell polymer.
- 5-6. (canceled)
7. (original) The screen-printable adhesive composition of claim 1 wherein said alkyl acrylate is an unsaturated monofunctional (meth)acrylic acid ester of a non-tertiary alcohol having 4 to 18 carbon atoms in the alkyl moiety.

Application No.: 10/602,424Case No.: 51720US020

8. (currently amended) The screen-printable adhesive composition of claim 1 wherein said reinforcing comonomer has a homopolymer glass transition temperature of greater than 25°C.
 9. (withdrawn) The screen-printable adhesive composition of claim 1 further comprising 1 to 20 parts by volume of the adhesive composition of an electrically conductive material.
 10. (withdrawn) The screen-printable adhesive composition of claim 9 wherein said electrically conductive material is selected from the group consisting of nickel, silver, copper, [[or]] and gold particles.
 11. (withdrawn) The screen-printable adhesive composition of claim 1 further comprising a thermally conductive material.
 12. (original) The screen-printable adhesive composition of claim 1 further comprising a thixotropic agent.
- 13-20. (canceled)
21. (new) A screen-printable adhesive composition capable of being applied to a substrate at room temperature consisting essentially of the following components:
 - (a) 25 to 100 parts by weight of at least one alkyl acrylate monomer;
 - (b) 0 to 75 parts by weight of at least one reinforcing comonomer;
 - (c) an effective amount of a core-shell polymer to provide a screen-printable composition; and, optionally
 - (d) one or more electrically conductive materials, thermally conductive materials, thixotropic agents, free radical initiators, tackifying agents, dyes, pigments, fillers, coupling agents, or combinations thereof, wherein said composition and components are substantially solvent free.